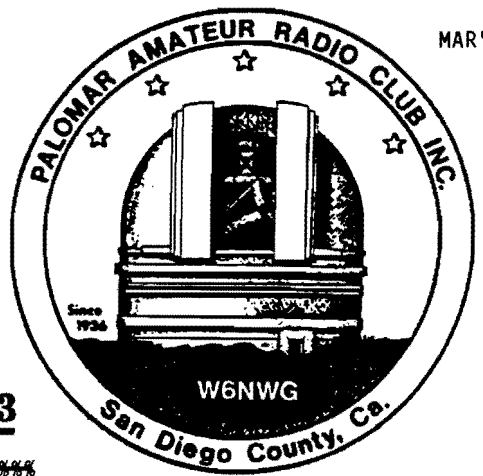


Scope

W6NWX

Palomar Amateur Radio Club Inc.
Post Office Box 73, Vista, California 92085-0073



MAR'94

MARCH ***** 1994 ** 59 YEARS OLD

Volume XX, Number 03
 Published monthly by PARC
 an ARRL Special Service Club
 Membership \$12including \$3for SCOPE
 Coffee 7:00pm & Meeting at 7:30 pm
 Carlsbad Safety Center(CSC),Palomar
 Airport Rd.to north on Camino Real,
 east on Faraday .25 mi,left to CSC,
 ThomasBro.Pg.14F6. Talk-in 146.730.

*** E L M E R S *** (call for info)
 CARDIFF, . Duane-WB6R,753-4821
 CHULA VISTA, Steve-N6RUV,422-4415
 ESCONDIDO *** Harry-WA6Y00,743-4212

*** PALOMAR AMATEUR RC PRESIDENT
 La MESA, . Roger-N6UW,697-6025
 LAKESIDE, . Mac-WB6GXR,561-2211
 RAMONA, . Vern-AA6UU,789-3070
 SAN DIEGO, . Dennis-N6KI,271-6079
 \$AN MARCO\$ ** Ralph-KC6WAN,727-7415

*** PARC MEMBERSHIP CHAIRMAN
 VISTA, . . . Jack-KI6JM,598-0420
 SAN MARCOS, Rusty-AA6OM,747-5872
 (Head PARC VE testing program)
 Prospective amateurs ONLY can call
 1-800-32-NEW-HAM @ the ARRL Hdq
 8AM-5PM ET M-F for information.

INSIDE:

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OPEN REPEATERS / CLOSED AUTOPATCHES
 PARC FREQUENCIES USED:

 145.050 *PacketNode,W6NWX/PALMAR **
 145.520s,National Simplex Frequency
 146.535s,Palomar Amateur RC Simplex
 2m Simplex Emergency Portable Rpt.
 146.175+, PATCH,PLed,Fallbrk,WA6IPD
 146.430R, ATV Intercom ReceiverPmt
 146.700-, *RTTY, PLed,(IN = OUT) **
 146.730-, *PATCH,PLed,Palomar Mt.**
 147.075+, *PATCH,PLed,Palomar Mt.**
 147.130+, *PATCH,PLed,Palomar Mt.**
 224.900-, *PL,Pmt,220 ClubSD,WD6HFR
 434.000R, ATV Rec.Emergency Pal.Mt
 METROLINK,*Pmt Pkt link,9600baud **
 446.000s, NationalSimplexFrequency
 449.425-, *PATCH,PLed,Palomar Mt.**
 919.250R, ATV Picture Receive Pmt
 1241.25T, ATV Picture Transmit Pmt
 *Rptrs/Patches cover 2000sq-mi SDCo
 WB6FMT-VSTA;WV6Z-MMSA;N6IZW-LMSA
 ** = W6NWX, PARC, trustee, Ron-WI6B
 (107.2 Hz used for all PL's)
 ATV project on the air in March '94

##-SK-#####-SK-##
 # - N 6 T J T - #
 # CHUCK KRAMARICH #
 # passed away January 22nd.#
 # Chuck was co-chairman of #
 # PARC's evening traffic #
 # net and served as one of #
 # the main communicators #
 # at the Mira Mar air show.#
 # He was well known by #
 # most amateurs in North #
 # County & will be missed #
 # by all who knew him. #
 ##-SK-#####-SK-##

C A L E N D A R

Mar 2 Wed. Palomar ARC Club Meeting
 Mar10 Thur. PARC 7pm Board Meeting
 Mar12 Saturday PARC VE Carlsbad SC
 Mar25 DEADLINE FOR SCOPE ARTICLES
 Mar29 SCOPE placed in mail at Vista

 NEXT CLUB MEETING KC6UQH

Art McBride-KC6UQH, VP and
 program chairman, has announced
 that the March club meeting will be
 a program by Rod, AC6V, and Mark,
 AA6TR. They will talk on DXing and
 QRP. Rod will cover topics on
 antennas, propagation, techniques,
 and myths. Mark will cover DXing
 using C.W. Mark currently works QRP
 mobile with a side key and 2 watts
 mobile on his way to and from work.

SHOW & TELL: Talk to Art-
 KC6UQH B4 the meeting to reserve
 time for UR S&T item(s).

- A T V -

BILL-KB6MCU has announced that
 the amateur television (ATV) pro-
 ject is off and running. He is
 working on the "intercom" receiver
 on 146.43 and has bought about
 \$1,350 worth of parts already for
 use in the project. An inspection
 tour of the site was made 2-7-94 by
 ART-KC6UQH, BILL-KB6MCU, GENE-
 WB6COY, and MIKE-WA6SVT to locate
 space in the buildings and on the
 tower for the project.

One fund started with \$2,000
 in it and another \$300 was recently
 donated to it. This first fund
 started with a donation from Bill,
 and SYBIL-W6GIC is serving as its
 treasurer. Cont.pg.6.

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Edward Ross, N6GZI
542-1405

Antenna Specialties

BOARD MEMBERS present:

President: Harry Hodges, WA6Y00
VP-president: Art Mc Bride, KC6UQH
Secretary: Nash Williams, W6HCD
RTechnical: John Kuivinen, WB6IQS
SCOPE/etc: Stan Rohrer, W9FQN
Membership: Ralph Powell, KC6WAN
Board Member: Rick Zimmermann, KC6LV
Absent: Treas. KM6WG & Member AB6QT

- also present -

Training/FD/ATV: Bill Smith, KB6MCU
OTHERS: Sybil-W6GIC, Mike-KD6VHI,
Gene-WB6COY(ATV), & Ken-N6ALA.

NEWSLETTER HELPERS FEB. SCOPE

KI6JM, Jack Hanthorn, Refreshments
KC6WAN, Ralph Powell, printing, labels
WA6Y00, . Harry Hodges, . Staples
W6TFB, . Lloyd Hunt, . folding
KB6YHZ, . Art Nye, . folding
KD6RFM, Emilio Spelgatti, folding
N6UWW, . Ellen Utschig, labels
KB6YHY, . Anita Nye, . labels
KI6JM, Jack Hanthorn, folding, Refresh
W9FQN, Stan Rohrer, Editor, PO Forms

The Fold-Staple-Multilate-The-SCOPE-group meets at Jack-KI6JM's QTH in Vista at 12:30pm and usually finishes about 2pm. We can always use more help. FSMTS day is almost always the Tuesday of the week before the club's 1st Wednesday club meeting. You receive one activity point for participating in the fun and games.

Club members are invited to attend Board meetings to observe the Board of Directors in action ..or non-action ..and receive one activity pt. for attending!

MOVED: DICK GEARHART-KC6QBD who has helped us many times with the mailing of the SCOPE (FSMTS) has moved to 6075 Moonrise Arc, Las Cruces, NM 88011. Dick and Lucy are living in their motorhome while their new home is being built. He hopes to be on 10m soon.

- SECONDS - (minutes?)

DISCUSSED: EquipBal \$2145, General \$3,598, PrePd \$2,960, PO \$120; programs; ATV test to KC6VEC's QTH, ATV fund #1 and #2; changed EPROMS in 146.73 and 147.075; Larry-AB6LY resigned position of CW net control; RTTY boards; training and March 28th test night; BECKY-KE6BUE and KD6YJB, Marvin's wife, GERRY, goodie table; and EARS auction.

APPROVED: \$500 from Equip Bal to ATV fund; new PARC badges in addition to the old ones; and \$10 for W6NWG TASMA membership.

Please contact one of the board members for more info. or see the secretary for written minutes.

LAST MEETING

In attendance were 107 members, 15 guests, for a total attendance of 122. PLEASE COME EARLY and help set up chairs.

We were very pleased to start out our 58th year as a club by having charter member Jack Cornell, W6MMO, from Fallbrook, at the meeting. We hope that Jack will stop by for our 60th anniversary bash. There are very few of the original 1936 group still around with the majority of them living in Fallbrook (it must must be those Fallbrook avocados -Ed).

Another good technical meeting with GENE-WB9COY presenting information on antennas, design, and construction with help from BILL-KB6MCU. Gene and Bill are also the ones who are deeply involved in the club's ATV project.

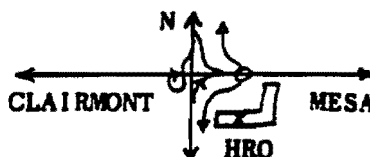
BECKY-KE6BUE and GERRY Jones (Assoc.) supervised the drink and goodie table with members bringing goodies: W6GIC, KE6BUE, N6TCB, KE6CDH, KD6ECD, KM6PY, KE6BGI, KE6BUE, and N6USR. Art-KB6YHZ and Anita-KB6YHY were absent because of illness.

BECKY-KE6BUE and GERRY have consented to take over the goodie table at club meetings and Art and Anita will continue with the coffee chores.

The club greatly appreciates the help given by these volunteers and the support of the goodie table by our members bringing in goodies from time to time and leaving a little donation to help the club pay for supplies. Surplus money is put into the equipment fund so it is put to good use.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie)!

Are you involved in public service?



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PRESIDENTIAL QRM

WA6Y00

As this is being written (Feb 15), the 3Y0PI (Peter the First Island) DXpedition is starting to pack up preparatory to being lifted off the island by helicopters from a Russian icebreaker on the 17th or 18th. The logistics and cost for this operation are staggering, would you believe \$250,000? This is the number one most wanted country on any DXer's list. With over 60,000 QSOs in the log, that should change dramatically. To the 10 operators who pulled this off: Well Done! And to those who worked them, be generous when you send in your QSL card.

I had the opportunity to go on a mini-expedition last Friday. Bill Smith, KB6MCU, and I set up a portable HF/VHF station in the Quad at Fallbrook High School during lunch hour, to demonstrate to the students something about Ham Radio.

There was considerable interest and lots of questions. They were truly amazed that we could talk "to the other side of the world" with such a simple station (a rigid dipole at about 15 feet). The Swan radio, power supply, and tuner were donated to the club to be loaned to schools for their use. Three on the staff at Fallbrook have licenses and can supervise the equipment's use. If you have any equipment that you would care to donate, contact me or Frank, KI6YG.

VOLUNTEERS!!!! That's what Ham Radio is all about. We need you to volunteer a little of your time in many areas. If you can give an hour a week, there's lots you can do. We need folks to operate the CW practice net (M-F at 7pm). All you need is a simple computer, TNC, and a 2 Mtr radio. Also we need you to check in to the North County Traffic Net at 8pm on 146.73 to assist in moving messages to their destinations. Most of this traffic

is coming from servicemen and women overseas to their loved ones at home. It is easy to do and you may use the autopatch if the number is out of your area. Get involved!

Lastly, the ARRL SW Convention will be held in San Diego the last full weekend in August (26-28). Mark your calendars. If you need a registration form, contact me, Pat WA6MHZ or pick one up at HRO. It will be a great weekend!

73, Harry

MEMBERSHIP KC6WAN

de Ralph, Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send to me at the club's address or to W9FQN a (S)elf-(A)ddressed (S)tamped (E)nvelope (SASE) requesting same (see Editor's address). =SK=

ASSOCIATE members who have received their new calls should

report them to me along with their expiration dates ASAP so that our records can be updated. =SK=

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are selling the commemorative 5c cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order. =SK=

FROM TIME TO TIME CLUB MEMBERS SHOULD CHECK THEIR ADDRESS LABEL TO SEE THAT THEIR LICENSE EXPIRATION DATE IS LISTED UNDER LX-yy-mm. IF YOUR LICENSE EXPIRATION DATE IS NOT LISTED OR IT IS DUE TO BE RENEWED WITH THE FCC WITHIN THE NEXT SEVERAL MONTHS, YOU HAD BETTER GET ON THE STICK AND GET IT TAKEN CARE OF NOW SO THAT YOU DO NOT HAVE FUTURE PROBLEMS. Send license expiration corrections to me at the club's address or see me at club meetings. I am the guy at the back of the room dressed in a white jump suit. I will jump for joy if you sign up for another year or get your label corrections in to me right away.

Membership is 753+ which means that 1/10th of all licensed amateurs in San Diego County belong to PARC. (We have corrected some accounting computer problems which has resulted in this revised membership total. -Ed) Since August 1st we have signed up 129 new members.

(NEW)/(renewed):

3yrs= WB7BDK-JIM, WD6GIA-JOHN,
2yrs= KE6DRA-DAVE, ke6due-Jim,
ke6afh-Bing,
1yr= KD6UBB-JOHN, KD6UBC-KIM,
W6PVT-BOB, KD6CKR-LARRY, KE6DSH-ERIC,
WA6GGS-JACK, KE6BZP-LIEF, K6HE-JAMES,
KK6JG-JOHN, KE6DLO-JOSH, K6RRP-RAY,
KE6EJG-CLAUDE, KC6VVS-CANDIDO,
KE6EDR-LARRY, KE6EDS-LORRI, n6qdb-Susan,
kd6rfj-Mike, AB6CK-BOB, KD6KBA-MARK,
KC6MVG-CAPPY,

CHANGES: Joe Pevney-WA6MOS to 42-995 Latisha Ln, Palm Desert, CA 9221.

YEARS A GOGO

(3-89) For Sale table authorized at club meetings ..Joe-N6RVO constructed an operating table in the club's trailer ..took 70 minutes for W9FQN to silence a jamming xmtr on 146.73 ..Chuck-N6TJT took part in an organ dedication concert attended by many club members ..18MHz opened to amateurs ..Highway in Oceanside went out of business (THEY ARE NOW BACK IN BUSINESS -Ed) ..Bill-K6GJD moved to Show Low, AZ.

SIMPLEX REPEATER

Members should be reminded that the club owns an Emergency Simplex Repeater (ESR) which can be used for emergencies and other club sponsored events. The repeater operates on any 2m simplex frequency that you select and repeats EVERYTHING that it hears (16 seconds worth). Two more chips would give us almost 60 seconds of speech. If you say, "AB6LY this is AB6QT", then when you release your microphone it will immediately come back transmitting "AB6LY this is AB6QT" using YOUR natural voice.

A simplex repeater slows things down because all communications take place twice but one has the advantage of knowing that the repeater heard you and retransmitted exactly what you said.

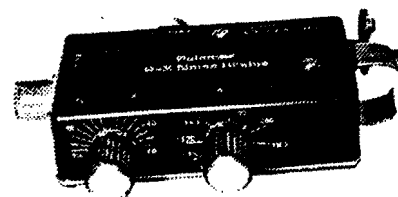
The repeater is made out of an old Heathkit xcvr, a voice controller, antenna, and 68AHR of batteries which should allow it to operate under normal conditions for almost a day of activity.

You will need to find a high location that you think will allow coverage of the area of interest and run tests B4 the event.

This ESR unit was built by Larry-AB6LY from materials bought or donated to PARC and has been listed on the front page of the SCOPE for several years. We have had NO requests for its use. We

really do wish some group would give it a try sometime since we would like to know how well it performs as a emergency repeater. If we had a small 70cm xcvr, we could set up a 70cm ESR. The advantages of this ESR system over the new "dual-band xcvr repeater mods" is that you can broadcast without having to use two frequencies or two different bands such as 2m and 70cm. You are also "slightly" more legal with our ESR.

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Phone: (619) 747-3343

WB6IQS REPEATERS W9FQN

We have been aware of problem with the 146.73 repeater controller which has caused the controller to reset and also to send out a "P" to indicate a power failure when there was no failure. The programmer of the controller has discovered a routine that had the wrong value in it allowing the controller to go off into never-never land and reset. He is sending us new chips which we hope will solve the problem by the time you read this.

Also on 146.73 an amateur in Big Bear is using a 146.73 repeater to the north of him and unfortunately he also brings up our repeater. When this happens you will need to keep your transmissions much shorter than usual so that you do not get timed out with his signal coming into the repeater on the change over. He is only talking 50% of the time so if you keep transmissions short you should have no problems hitting his 50% dead time. =SK=

Sometimes the repeaters are put in the "net mode" which usually means that the time-out-timer is turned off and the "beep" is turned off. This is usually done for several reasons. First, during some nets where there is a lot of traffic, we like to put it in the "net mode." Secondly, when someone has a jammed transmitter (or other signal) on the frequency we do not want the repeater to time out so the repeater is put in the "net mode" so that club members and direction finding teams can look for the jamming signal. We would just as soon that you not talk about this function or guess as to why it is in the net mode. =SK=

We have recently noticed that the 147.075 repeater is keyed up by voice peaks coming from a base station using the Catalina 147.075 repeater. He is either running a lot of power and/or using too much deviation.

WB6FMT AUTOPATCHES W9FQN

NEW MEMBERS should request an AUTOPATCH INFORMATION SHEET for the five autopatches describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting. =SK=

The following prefixes have been added: Section #3 (482) and Section #1 (753). Please correct your prefix listings and/or card.

When using the autopatch it needs to be remembered that your signal is going to Palomar Mountain through a repeater and then out into a link connection to one of the three sections of San Diego County which means that there is a definite time lag in all of the circuits to switch from receive to transmit which opens up several problems which mobile operators can experience:

1)The mobile asks a question and does not hear a replay. They ask again and they hear no reply. The person is replying but they are answering so quickly that the transmitting circuits are still switching over to receive which covers up their voice ..and you do not hear the answer. So, tell the person you are talking to that they need to hesitate 1-2seconds before they come back with a reply. It is sort of like a short squelch tail at the instant you drop your carrier that covers up any reply that they are making.

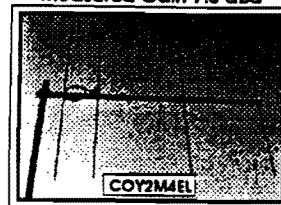
2)The person you are talking to thinks that since they are using a telephone that they can INTERRUPT you like they USUALLY do over the telephone. The autopatch is a ONE-WAY-STREET and only one person can talk at one time and be heard. The mobile using the patch has complete control and can interrupt what the person is saying over the telephone. In fact, if they start to use bad language you can key up your mic and cut them off of the

repeater and all that will be heard is your dead carrier or your reminding them they this is amateur radio and that they need to watch their language. The person on the phone CANNOT INTERRUPT you since the mobile signal always is connected when you are talking. When you are talking you might want to get into the practice of using OVER at the end of each transmission and encourage the person you are talking to to do the

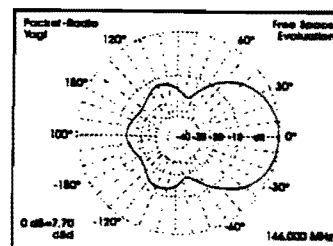
Swiech
Communication
Systems

Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBS



H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

same thing. There are many times when control operators know that both are talking at the same time ..and it is always the person on the phone who gets covered up. =SK=

Ending an autopatch is an art. Many users are saying, "well, I will close now." Then they say, "N6YZZ clearing autopatch" and close down the patch without giving the person they are talking to a chance to make a last needed remark. Possibly you might want to end with some variation of the following:

- a)"is there anything else before I close?" (their yes or no).
- b)"ok, N6YZZ clear patch." Then issue the shutdown code.

Remember, they cannot call you back after you "cut them off." =SK=

Members using HT's to run autopatches should not be surprised if they can't bring up the autopatch. Remember, you need a STRONGER signal for the autopatch than you need for a QSO. A weak voice contact can be maintained since the other party can miss 10-20% of what you say and still understand your message. This is not true with the autopatch. One missed number and the whole patch is lost. Make sure you are in a good position to make your autopatch transmissions. =SK=

ATV Cont.de Pg.1

PARC has a second fund which was started with a \$100 donation by PARC club president, HARRY-WA6Y00. PARC has added \$500 to the fund from its equipment fund bringing this total to \$600. The club is looking for additional donations from members who think that they would be interested in helping with this ATV project which will start out covering approximately 2,000 square miles of San Diego County. Donations should be sent to the PARC ATV fund and can be any amount from \$5 to whatever seems reasonable to you and your situation.

Some of the equipment being used will be borrowed from the ATV

Network of Southern California and PARC will need to buy replacements as we move along with the project.

BILL-KB6MCU and MIKE-WA6SVT are serving as project co-chairmen and GENE-WB6COY is helping with antennas and other projects. PARC Tech's will oversee the project so that other systems at the site are not degraded.

Bill has indicated that their first test pictures from a limited system at our repeater site should be on the air by March 15th. He will make suggestions soon as to the equipment that members would need to receive these pictures. A basic receive system would probably consist of a \$50-100 converter in front of a TV set and a beam pointed at Palomar Mt. The ATV system consists of the following:

1)A 1241.25 MHz transmitter on PMt which will broadcast an ATV picture to 2,000 square miles of San Diego County. You will need a converter to convert this frequency down into the TV range so that you can see the picture on a regular TV set. We suggest that you start looking around for a small portable B&W or color TV set to get started on your own ATV station.

2)A 919.25 MHz receiver on PMt which will receive pictures sent to it and the output will be into the 1241.25 MHz transmitter. These two units form a split band repeater.

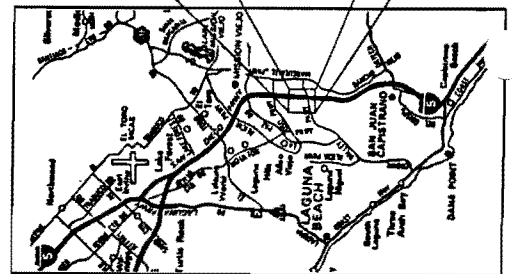
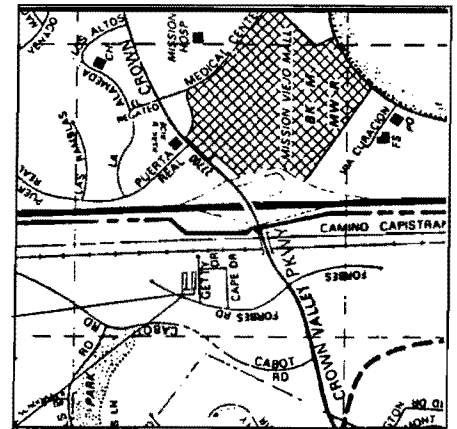
3)A 146.43 receiver on PMt which will be used as one leg of an intercom. Stations in SDCo. will broadcast their audio to PMt on 146.43 and it will come out on the 1241.25 MHz transmitter along with the ATV picture.

4)A 434.0 ATV receiver will be installed later and tied into the system. This frequency will probably be used in emergencies to help with EVAC emergency operations.

The basic system will then be tested for several months.

PARC expects that there will be problems that need to be worked out. Especially with the 146.43 receiver intercom which falls near

the 146.7 and 146.73 repeater outputs. We hope this potential problem can be solved with filters and antenna separation. It needs to be remembered that PARC is working with over 29 frequencies at our site which opens us up to various possibilities for interference and intermodulation products.



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(In front of the Back-sale)

(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface + books \$200: Henry N6JWF 945 1247 Ocsd. GUD WAY TO GET ON RTTY AND RUN CODE!

===== HIGHWAY ELECTRONICS: parts, (new/old) military. Ask 4Nick, 967-7225 2 C if open (10-3pm), 305 Wisconsin Ave, Ocsd =====

6-18) Drake w4 wattmeter .2-2kw scale \$55; TENTEC squeezer keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8; SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25; Larry W7HKI 439 5855 Ocsd.

***** WANTED *****

"a few good men" or "women"

(02-09) Kenwood SP-430 spkr & autotuner; '93 ARRL Handbook for library: Duane AA6EE 789 3674 Ramona.

(01-19) Disk programs for MFJ-1278 multimode to be used in club project: John WB6IQS 724 8380 Vista.

(01-05) To copy tech manuals for Kenwood TH21AT and Alinco ELH-230G 2m linear amp: Mike KA1VFF 430 2845 Ocsd.

(12-12) DC current probe for Tektronics AM-503 and/or scope DC to 50MHz: Stan W9FQN 749 0276 VillyCtr.

(12-10) Baja Ham, XE2XU, is looking for a 12v HF radio for 80-40-20. Possibly early Atlas: Nash W6HCD 728 3574 Bonsall.

(12-6) To copy manuals for Zenith laptops ZWL-0200-02 & ZWL-184-97. Also need a hard disk drive for the #97: Mike AB6QT 742 1573 P.Mt.

===== V E T E S T I N G AA6OM =====

N.Co.FCC LICENSE EXAMS given by the PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in

advance & walk-ins not normally accepted. Call me at 747-5872.

610 FORMS AVAILABLE: HRO, 5375 Kearney Villa Rd. or at club meetings from KB6NMK or W9FQN.

FEBRUARY 12th TESTING: 10 candidates for 14 el with 100% pass. Results were:

ADV->EXTRA: Mike-WB6QXV and Steve-KB6JFA.

GEN->ADV: Ron-KB6TFY

TECH->GEN: Greg-N6ZVX

->TECH: Victoria-KC6PYD, Jay Coon, Steve Gebler, Saul Lisauskas, & Loraine Merrell.

OTHER: Mike-KE6EJF (3B).

EXAM TEAM: no names or points credited.

E D I T O R

Stan-W9FQN 30311 Circle R Ln Valley Center, CA 92082-4806 749-0276, 11:30am or 9:45pm

If anyone has any information on the amateur who is on our 2m and 70cm repeaters that has lost his larynx, please contact me or send me his address. =SK=

N E W S

Contributions to =NEWS= should be sent to your editor by the 18th of the month. =SK=

Anyone wanting to see a copy of the minutes of the 1994 Annual Meeting of the Board of Directors of the AMERICAN RADIO RELAY LEAGUE dated January 21-22, 1994, should contact W9FQN, assistant SW Division Director, at one of the club meetings. =SK=

DAVID-KC6YSO reports that he will be net control for a 6m FM net starting March 5th, Saturday, on 52.540s at 8pm. David's QTH is in the SD State College area. The net is being started to see what type of ground coverage 6m has for possible ARES use in emergencies. If you don't have a 6m xcvr, you might check to see if you can hear them on your scanner (or your TV set - Ed). =SK=

(de W5YI REPORT, pg17, 15Jan94) Do you remember the story we did in the Nov. 15th issue on amateur Chris Boyer (PARC club member -Ed), KC6UQG of San Diego, CA who summoned help for a badly injured friend using a modified ham radio tuned to a public safety (sheriff's) frequency. Boyer said it was the only communications method available to him that worked. Cont.pg.11.



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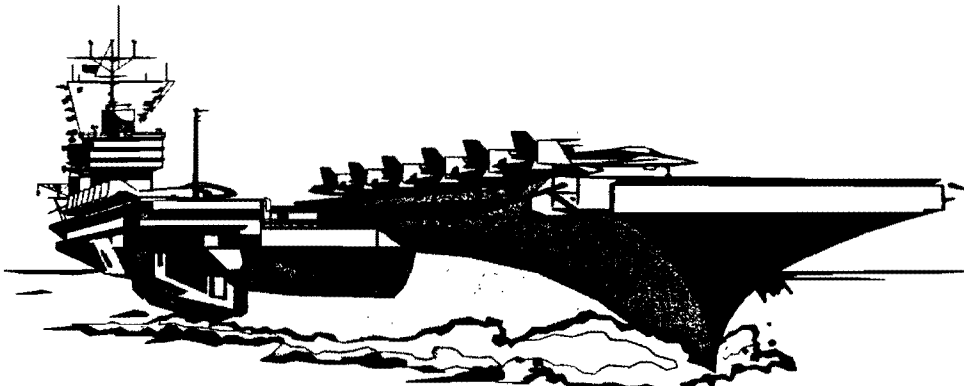
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723-0620

Loyal M. Hanson - W9WV
Fallbrook, California



To ALL MEMBERS of the Palomar Amateur Radio Club:

PICTURE YOURSELF OUT HERE - SOMEWHERE IN THE PACIFIC! YOU HAVEN'T HAD MAIL FOR 42 DAYS. YOUR WIFE IN SAN DIEGO IS ABOUT TO DELIVER A BABY. BUT YOU HAVE NO IDEA WHAT IS GOING ON AT HOME...

But you're lucky: someone in Radio Central is a MARS operator. You get a message:
 "3-POUND BOY, 23 APRIL - MOTHER AND CHILD FINE - NEED CHOICE OF NAMES -
 LOVE AND MISS YOU - LINDA"

That was years ago. - Now you are a member of PARC, happily rag-chewing on the repeater on 146.730 almost every night. Local time: 1959. You get mildly annoyed at some joker interrupting your QSO and asking to use the frequency for a traffic net. You yield graciously and decide to QSY to another repeater. Your QSO partner hasn't got that one programmed in his radio, so you say 73 and decide to listen and find out what so rudely interrupted your pleasure.

The net holds 22 messages from ships in the Pacific (AP) to families in San Diego County.
 "WOW!", you think, remembering when you were out there...

You hear: "Roll call follows. When checking in, please indicate what traffic you can handle. Call signs only". Then you hear maybe 4 or 5 stations checking in, and NO ONE taking any messages. The MARS operator is at his wit's end. Out of the 700+ members in this club, not a single one is willing to take a message! "What kind of radio amateurs are these?", you may think. "Members like that are about as useful as a dead elephant in your garage!"

Finally, one of the regulars breaks in: "This is N6TEP. I'll take whatever messages are left on RTTY after net." RTTY is neat, fast, and digital. It makes hard copy on the computer. Errors are rare. No phonetic spelling, no awkward repeats, no endless and boring waits for your turn to take a message. No running over into net time of others at 2100. - 22 messages copy over on RTTY in about 8 minutes.

But all this stuff is for experienced operators, right? You're not going to make a fool of yourself on the air by showing ignorance of procedures, or being slow writing down messages, right? You're also too busy/lazy to

get involved, right? And most of the messages are long distance calls for you, right? So, you have a good excuse for staying silent, right? After all, you're not making a lot of money, and your wife will kill you when she sees the phone bill, right? That's not what you joined PARC for, right? All you wanted was to be able to rag chew and brag about how you can make "free" calls on the autopatches anywhere in San Diego County, while others pay high prices for cellular service, right? You also would feel embarrassed being in the spotlight on the air, "blessed" by wives and girlfriends of service men you don't even know, right? You want to remain ANONYMOUS, right? Besides, you are scared to use the autopatch, because you don't know how, right? The whole thing is too much of a bother and too much of a responsibility, right? And you can't be tied up on the radio every night of the week! You have your own life to live, right?

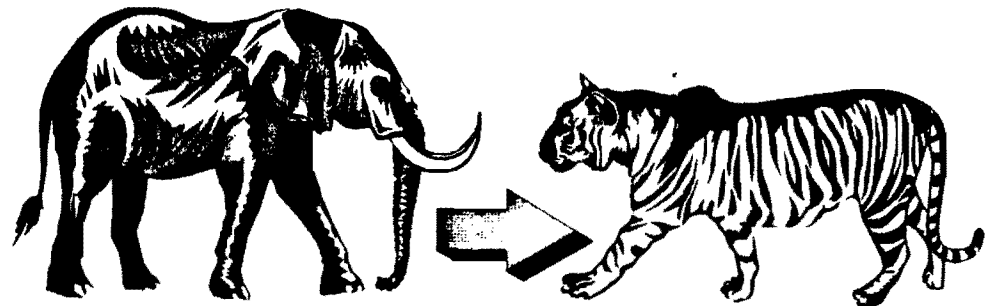
WRONG ON ALL COUNTS! IT DOESN'T TAKE A HERO.....

If you got really brave and signed up as a net control operator or alternate for one night a week, we would welcome you with open arms. We'll support you all the way and nobody will say a nasty word. So you do make some errors. So, what! We all did and still do. We are friends, remember? Fellow amateurs, not a bunch of hyenas looking for dead meat. We are a FRATERNITY! (Sorority, too, if you will). Bernice, N6WQR, recently became a MARS operator. That is a lot tougher than being on the traffic net and carries a much greater obligation. My hat is off to Bernice.

So, if you feel encouraged, give us your name, callsign and landline number below on this sheet. We'll take it from there. You get all the information and support you need. Or sign up on the air. At least try to sign in sometime on the net and take a few messages. Most of us use a tape recorder to speed up message taking. It doesn't have to be a boring chore or a crushing responsibility. YOU can make serving out in the Pacific, or on an outpost anywhere in the world, a friendlier and more comfortable place for the crews out there. Radio amateurs have a proud tradition of community service. If you have been a dead elephant, turn yourself into a live tiger. Go for it! You'll be glad you did.

73 to all from Charles, N6TEP, (619) 471-0439, net manager SDCTN.

NAME.....CALL.....
 LANDLINE.....



LETTERS to the EDITOR
The editor & the board reserve the right to publish & edit all letters

John Bescher, N6SMW, likes to DX and sends the following to his favorite contacts or rag chews along with his QSL.

HAM FACTS ABOUT SAN DIEGO: The city of San Diego is the 2nd largest city (319.6 sq.mi) in California (Los Angeles is the largest). We have many repeaters and several very active amateur radio clubs. In 1991, 1992, and 1993 the Palomar Amateur Radio Club (W6 Nothing Works Good) won first place in Field Day category 5.

San Diego county is the 5th largest county in the USA in area (4,255 sq.mi.) and 13th largest in population ..not exactly a rare county for county hunters (We also have about 7,000 amateurs of which 10% are in PARC -Ed).

Average temperature is 70 degrees F with Sunny Mild Weather, just like my call N6SMW.

Located at the extreme southern tip of California, San Diego shares its metropolitan space with Tijuana, Mexico. One of San Diego's slogans is that the city is where California began. Portugal's Juan Rodriguez Cabrillo landed here in 1542 and claimed the land for Spain. Today, Cabrillo National Monument, on the tip of Point Loma Peninsula, is the most visited national monument in the USA. San Diego has been governed by American Indians, Spain, Mexico, and finally, in 1846, the United States ..all before ham radio.

Weather: Average highs in San Diego along the coast range throughout the year from 65F to 76F with nighttime lows from 46F to 66F. A few miles inland, daytime temperatures can increase into the 90s or above during the summer and fall months. A local condition called a "Santa Ana" can affect temperatures dramatically as high winds off the desert sweep the

region, including the coast. We never worry about high winds or ice storms destroying our stacked yagis and cubical quads. Lightning storms are rare.

Rainfall? The San Diego region is characterized as a "coastal desert" or Mediterranean climate. It receives an average of about an inch of rain in each of the months of November through April, though for the last five years the region received considerably less, resulting in a drought condition. Most of the water for Southern California flows from the Colorado River over 200 miles away via canals and aqueducts. It never rains on Field Day.

One of the nice aspects of San Diego is its climate. The weather here is normally sunny and mild. Sweaters or jackets are needed in the evening for all seasons. Snow is unheard of in the city of San Diego although in January and February occasionally we have frost in the mornings. By midday, temperatures are between 70F and 80F along the coast. To the east, about 50 miles from the coast a mountain range up to 6,000 feet results in an alpine climate with pine trees and snow in the winter. The mountain range ends with an escarpment or plunge into the desert, about 75 miles east from the coast with very hot and dry weather. Great portable operations!

THINGS TO DO IN SAN DIEGO.

1) Go shopping in areas that are worth visiting even if you can't spend a dime: La Jolla's Prospect and Girard streets; Del Mar's Camino del Mar; Horton Plaza; Old Town's Bazaar del Mundo; Tijuana.

2) Rent a car and drive along the coast, stopping at various beaches and beach communities along the way. One great stretch is Torrey Pines Road north from La Jolla to Oceanside.

3) Rent a bike ..or walk ..around Mission Bay. The sidewalks are wide, the bay views breathtaking, the air invigorating ..and the

people-watching isn't bad, either.

4) Take in a play at the Old Globe Theatre in Balboa Park. The architecture and ambiance are worth half the price of your ticket ..and Balboa Park is free.

5) Sea World: the kids will remember the huge nautical theme playground, Capt'n Kid's World, the rest of their lives ..as well as the huge indoor aquariums and other outdoor performing animal shows ..and wait until you see the multi-million dollar killer whales pools!

6) Drive across the Coronado Bay Bridge. You can turn around at the other end if you don't want to pay the toll and/or tour Coronado. Other prime view sites are the top of Mt. Soledad between Pacific Beach and La Jolla, and the Cabrillo Monument at the tip of Point Loma.

7) Sample Mexican food, San Diego Style ..there are many very good restaurants in San Diego offering almost every style of food (or visit Tijuana and have fish and/or shrimp at LA COSTA AZUL near the Jai Alai Palace -Ed).

8) Drive to the Anza Borrego desert via the mountain community of Julian; stop at Dudley's Bakery in Santa Ysabel for apple-nut bread hot from the oven. Once in the desert state park, take the trail that leads to the palm oasis (best time to visit is spring).

9) Tour San Diego Bay by boat; San Diego has a very clean, enjoyable waterfront with bike paths, ferryboats to Coronado and harbor tour boats. Visit the Star of India, watch the cruise ships, or see if you can identify some of the US Navy ships in port.

10) Whether you are accompanied by children or not, whether you love animals or not, visit the world famous San Diego Zoo. The jungle paradise landscaping alone is worth it. If you have time, a trip to the San Diego Wild Animal Park rounds out your experience.

(if anyone can add to this, drop your editor a line -Ed).;cm

LATE: IC-735 \$700; SCOPE-466 \$549; HP 141T Spec Analyzer \$1,650; TenTec tuner \$50; Viking Patch \$80; MFJ-1278 w/multicom \$175; YAESU FTV-250 (2m) & 650 (6m) \$150ea; & lots more: Mark N6RMM 480 4477 Esc.

ESTATE SALE.

Hand held Sony TC55 cassette recorder; Sony portable TC110A recorder; Realistic Speaker; HP pocket business computer; sound level meter; Kenwood stereo amp L-07C; Kenwood stereo tuner L-07T; JVC Mod QL-A7 turntable; Dual Mod 1229 turntable; Nakamichi CR7A cassette deck; ADS model 10 acoustic dimension synthesizer; Realistic Mod 31-2010 12 band equalizer; ADS bookshelf speakers Mod L-10 (50-100w); JVC Mod KD085 cassette deck; Pr KEF 200w speakers w/Kenwood pwr amps Mod L-07M: Harry WA6Y00 Esc.

***** News de.Pg.8.
He supposedly tried both amateur and cellular frequencies.

Even though the rules permit the use of any communications means at a person's disposal in an emergency situation, Boyer later got called on the carpet by the sheriff and the FCC. According to a newspaper account, he surrendered his \$500 transceiver to avoid further penalties which could have included a heavy fine and imprisonment.

We called the San Diego FCC field office and asked engineer Jerry Mann about the matter last November. He said he could not comment since the Boyer case was still open and FCC action was pending. Mann said he would get back to us once the path of action was determined.

We checked back again last week (two months later) with Mann and was told that there has been very little movement. The case was still pending, but had a low priority. We were again promised that we would be FAXed more on this case once FCC action is taken. =SK=

Tod Bloxham-KB7QDZ, the 18 year old ham who walked 2,700 miles in 147 days (Jun.26-Nov.18) from

Canada to Mexico on the Pacific Crest Trail this past Fall, hiked through the Cuyamaca Mountains where the two aggressive mountain lions lately have caused great concern. Tod was the youngest solo hiker to make the trip the hard way: Canada to Mexico. Most hikers take the easier hike from Mexico to Canada because of the weather allowing an earlier start from the San Diego area. Tod's last night in the Cuyamaca Mountains was spent in six inches of new snow without a tent!

A QSL card from Tod indicates that he was overwhelmed by the interest shown by hams in the San Diego area and especially those from the PARC 73 (sincerely yours) repeater.

Your editor just received a letter from a lawyer who lives in Alaska asking about the Pacific Coast Trail in the SDCo area. Seems as though he wants to hike from Campo to Warner Hot Springs sometime this Spring and wanted information about the trail and repeaters in the area. =SK=

Everyone needs to write to their two Senators and Representatives asking them why they are not cosponsors of the Senate Joint Resolution 90/House Joint Resolution 199 which deals with amateur radio. See July and January QST's for more information. Neither California Senators have yet to come aboard (de Fried Heyn WA6WZO). He would also like to have your input on the FCC vanity call proposal NPRM (93-305). =SK=

ELLEN UTSCHIG, N6UWW, recently received a SHERIFF's civilian commendation for her work in January '93 flooding in the De Luz Canyon, North of Fallbrook. =SK=

Beginning March 1st the FCC will accept only the new version of its Form 610. This applies to everyone. (de ARRL) =SK=

Ray-G3DHZ from England called your Editor in late January wanting to know the frequency of "the Palomar" digipeater. He wanted to

send a packet message back to England! He then mentioned that he got into San Diego County on a regular basis and accessed our W6NWG-1 node (PALMAR) using the "wormhole" from England. He was able to access the local DX node in SDCo for up-to-date DX information. Ray was in a hurry and I was not able to find out where the "wormhole" was located. Does anyone know how to get into the wormhole? =SK=

Tucson Amateur Packet Radio (TAPER) has scheduled its annual meeting for March 4th through 6th in Tucson, Arizona. TAPR has a new address: 8987-309 East Tanque Verde Rd, No.337, Tucson AZ 85749. Fax 817-566-2544. (de ARRL) =SK=

(de W5YI REPORT) All telephone area codes with "0" or "1" as the middle digit have been assigned. New codes will have a middle digit of 2 through 9 which could cause difficulty with some phone systems and autopatch programming which preclude long distance access based on the existence of a "0" or "1" as the second digit. =SK=

(de ARRL Newsletter Dec93) ..check your license expiration date ..five years ago the term of your new license went from 5 to 10 years so no licenses have expired in the last 5 years. Licenses are now beginning to expire ..check yours now (its on your license and ON YOUR SCOPE MAILING LABEL! You need to renew at least 60 days before expiration ..use Form 610 ..if your renewal is late you must stop operating ..licenses expired more than 2 years may not be renewed which means you loose your call sign and must take the tests over again ..oh JOY. =SK=

(de COMPUTER JOURNAL via N6KI) The Gartner Group said that by 1995 there will be 55 million PCs connected to LANs and between 400-500 thousand desktops will employ wireless connections! Some of the frequencies proposed are 902-928MHz, 2.4GHz, and 5.7GHz bands. =SK=

Received a great ham shack picture QSL card from BILL SALTER-

PARC Membership Application

AMATEUR CALL
CLUB MEMBERSHIP? ☐ NEW ☐ RENEW
ARRL MEMBER? ☐ YES ☐ NO
LAST NAME
FIRST NAME
STREET ADDRESS
CITY
STATE ZIP
HOME PHONE
WORK OR OTHER PHONE
HAM LICENSE EXPIRES
FAMILY MEMBERSHIP (List other calls and names)
CLASS OF LICENSE N T T+ G A E

K6GJD (Gud-jack-daniels) who has been at 1641 N. 39 Dr., Country Club Manor II, Show Low, AZ 85901, 602-537-7373 (why not 8888? -Ed), for the past few years. Show Low got its name from Clark and Cooley who owned 100,000 acres. They decided to play a game of cards; winner to take the ranch. The game lasted all night. When the last hand began, Cooley needed one point. Clark told Cooley "SHOW LOW and the ranch is yours."

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the Scope, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

Cooley turned the deuce of clubs, thereby naming SHOW LOW. The main street became the Deuce of Clubs! (I will bring the picture to the next club meeting along with two brochures extolling the merits of visiting the Show Low area and a local club newsletter, KACHINA QSO. -Ed) =SK=

Hugh-K4ESQ, a former physics student of your editor, dropped off the January 10th issue of WATERFRONT which had an interesting article about "San Diego Cruisers net, a Daily Airwaves Fix" which mentions a "Radio Mike" who is on the air most mornings at 9am on VHF Channel 68. Evidently boaters (cruisers) check into this net and exchange information something like our 146.73 boaters net. It also appears as though "Radio Mike" is also an amateur radio operator and hangs out at Pacific Marine Supply down on Canon St. in SD. If anyone listens to this morning VHF net or knows "Radio Mike," please contact your editor. =SK=

SCOPE

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